

LISTA 01 - PROBABILIDADE 1

①

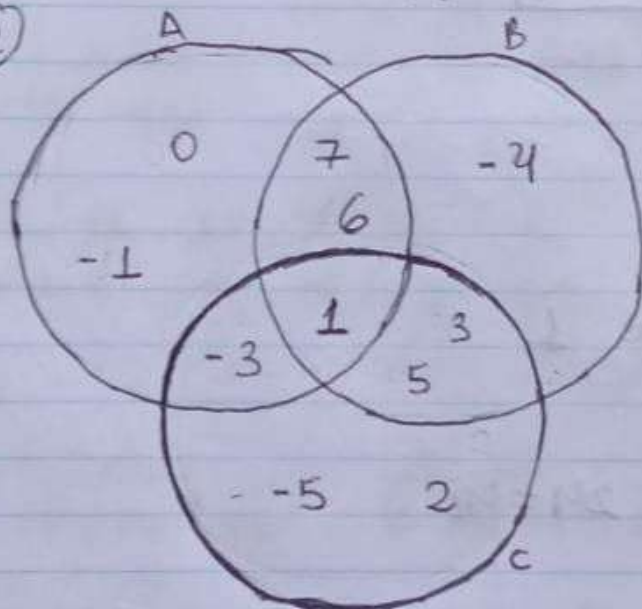
$A = \{x | x \text{ é um número primo } 1 < x < 10\}$

$B = \{1, 3, 5, 7\}$

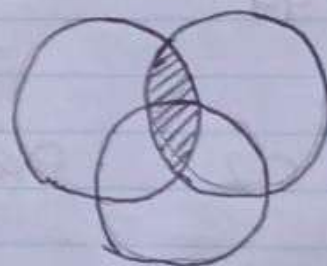
$A = \{2, 3, 5, 7\}$

$A \cup B = \{1, 2, 3, 5, 7\}$

②

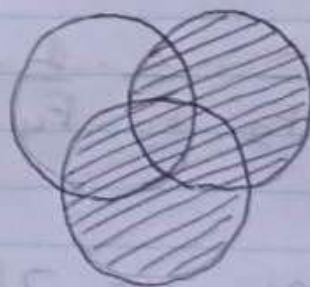
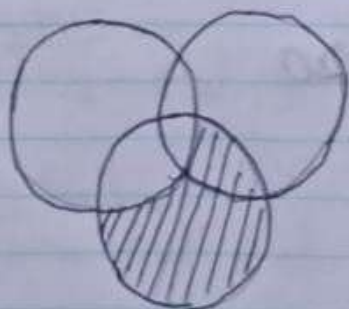


$A \cap B = \{1, 6, 7\}$

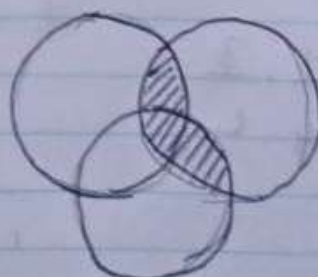


$C \cup B = \{-5, -4, -3, 1, 2, 3, 5, 6, 7\}$

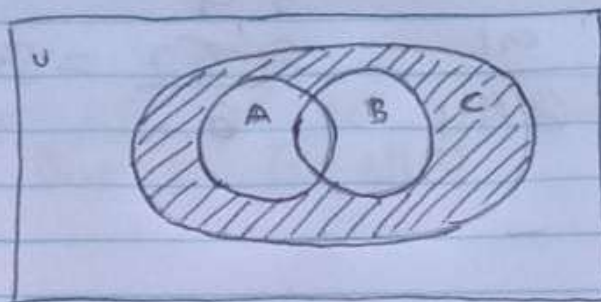
$C - A = \{-5, 2, 3, 5\}$



$B \cap (A \cup C) = \{1, 3, 5, 6, 7\}$

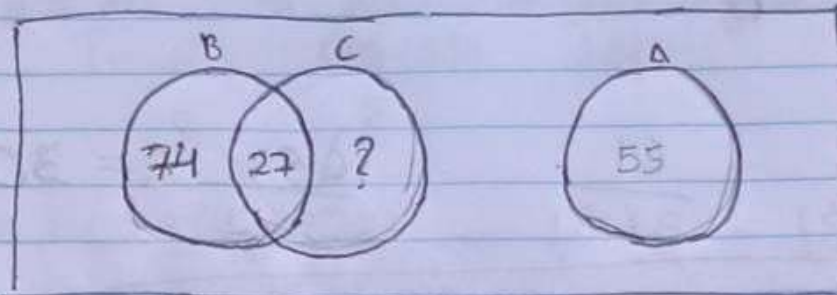


3



$$C - (A \cup B)$$

4



$$U = 200$$

$$A = 55$$

$$B - B \cap C = 101 - 27 = 74$$

$$B \cap C = 27$$

$$U = A \cup (B - B \cap C) \cup (B \cap C) \cup (C - B \cap C)$$

$$200 = 55 + 74 + 27 + (C - B \cap C)$$

$$(C - B \cap C) = 44$$